

STATEMENT OF WORK
FOR
INSTRUMENTATION RADAR SUPPORT PROGRAM

1.0 SCOPE AND OBJECTIVES:

1.1 Scope: The Instrumentation Radar Support Program (IRSP) contract provides serviceable components and subsystems for instrumentation tracking radars and similar pedestals. Serviceable systems include logistical management of jointly owned stock, repair of unserviceable components for re-entry into stock, engineering/technical expertise, and field overhauls to designated systems. The design, manufacture and installation of sub-systems will be accomplished by delivery order on a case-by-case basis.

1.2 Objectives: This statement of work (SOW) defines contractor efforts required to ensure availability of unique serviceable components, supplies and specialized maintenance capabilities to meet the needs of participating ranges.

2.0 GENERAL BACKGROUND: The IRSP supports a family of fixed, transportable and shipboard radars located throughout the world. Radar types are included in Appendix A of this SOW. These radars, while having basic similarities, have been individually modified for the special purpose of each user's requirements. There are 25 ranges participating in the program including Air Force, Army, Navy, NASA, Department of Energy, Federal Aviation Administration, United Kingdom, Germany, Republic of Korea, and Taiwan. The number of ranges and systems may fluctuate throughout the duration of this contract and will be subject to contract price adjustments. The contractor shall interface with other range contractors to provide support in a timely manner consistent with mission requirements.

3.0 CONTRACTOR TASKS: The contractor shall perform the following tasks in support of the designated ranges and specific systems listed in Appendix A. Work will be accomplished in accordance with best commercial practices.

3.1 Applicable Documents: The following documents are provided for guidance only.

<u>GUIDANCE DOCUMENT NO.</u>	<u>TITLE</u>
3.1.1 MIL-HDBK-454(1) 28 May 97	Standard General Guidelines for Electronic Equipment
3.1.2 ISO-10012-1 1 Oct 96	Equipment Quality Assurance Requirements for Measuring
3.1.3 MIL-STD-1535B NOT 1 31 May 95	Supplier Quality Assurance Program Requirements

3.1.4	MIL-STD-130K 15 Jan 00	Identification Marking of U.S. Military Property
3.1.5	MIL-STD-100G 9 May 97	Engineering Drawings
3.1.6	MIL-T-47500 23 Oct 91	Technical Data Packages, General Specification For

3.2 **Depot Support:**

3.2.1 Inventory Management: Provide warehousing and inventory of approximately 1.4 million government-owned parts in contractor furnished warehouse. Maintain an automated controlled access inventory of materials required to support range requisitioning action, overhaul material requirements and component repairs. The inventory will consist of those government-owned materials remaining from the prior year contract and those specific materials to be furnished from stock replenishment action under this contract. All parts and material in stock shall be issued First In First Out (FIFO). CDRL A001, A0016.

3.2.2 Requisitioning: Fill requisitions (See Appendix D) received from participating ranges electronically or hard copy. A requisition shall consist of one line item of any quantity. Requisitions (See Appendix D) will also be processed on an emergency basis. The contractor shall obtain contracting officer approval for requisitions which cannot be filled directly from stock and have an estimated acquisition cost exceeding \$15,000. CDRL A015.

3.2.2.1 Government-Owned Property: The contractor shall maintain and protect the current inventory of depot supply materials, approximately 41,000 total line items which consume approximately 300,000 cubic feet of space. The largest single item is approximately 360 cubic feet and weighs approximately 6,000 pounds. The approximate value of all government-owned property is 28 million dollars. The actual value will vary according to the inventory and is described more fully in the documentation requirements established by the Government-Furnished Property Clause. The contractor shall recommend, and if directed by the contracting officer, acquire additional equipment for the government to be used by the contractor in performing contract tasks.

3.2.2.2 Routine Requisitions: Routine requisitions shall be filled within ten workdays if the material is in stock. If the item is not in stock, the requester and program office shall be notified within 10 workdays and an estimated delivery date shall be provided by the contractor within 30 days. This response is based on an even flow of the requisition quantity indicated in Appendix D during the year. Receipt of requisitions in groups greatly in excess of the average per week will permit a change in the response time to be consistent with the number of requisitions received in the group.

3.2.2.3 Emergency Requisitions: If in stock emergency requisitions, shall be filled within 24 hours. The contractor shall be available to process emergency requisitions 24 hours a day, seven days a week. The contractor shall not screen or qualify emergency requests for material, and shall respond to the requesting range as to the availability within 30 minutes. If not in stock, the contractor shall notify the requester and program office and attempt to alleviate the shortage by obtaining the part on-loan from another range, purchasing or building on an expedited basis. The contractor shall continue to inform the requester and program office of status and changes in delivery status until the emergency requisition has been filled. Utilize the most expeditious method to alleviate emergencies, including controlled cannibalization. Under emergency conditions, the requirement for government and contractor source inspection is waived for the repair and purchase of new materials. Controlled cannibalization is authorized only when a Not Mission Capable-Supply (NMCS) condition exists.

3.2.2.4 Stock Replenishment: Determine recommended stock levels for all depot items. Coordinate proposed changes in approved levels with the program office.

3.2.2.5 Marking, Packing and Crating: Perform required packing and crating services and arrange commercial transportation performed under paragraph 3.7. (See Para 3.1.5 and 3.1.6 above).

3.2.3 Material Acquisition: Replenish items of stock within the approved levels as required primarily through direct vendor purchase. CDRL A002.

3.2.3.1 Stock level: Maintain a stock level of miscellaneous, common and expendable material required for overhaul support, component repair, fabrication and bench stock. Materials such as common hardware, paint, compounds, fabrics, raw stock, and other miscellaneous common supplies are considered bench stock. Develop and maintain a high-cost tube management plan to ensure availability of long-lead tubes.

3.2.3.2 High Cost Requisitions: Requisitions that cannot be filled directly from stock and have an estimated acquisition cost exceeding \$15,000 shall be acquired only upon direction of the contracting officer.

3.2.3.3 Government Supply: Obtain common National Stock Number (NSN) items from appropriate government supply sources, i.e., GSA, Defense Supply Agency, etc. Initiate requests for material and equipment from government depots when advantageous to the government.

3.3 Component Repair/Fabrication:

3.3.1 In-House Component Repair: Repair radar system components returned to the contractor from the ranges or removed by the contractor during Field Overhauls. All repairs performed by the contractor which exceed \$15,000 require contracting officer prior approval. Repaired items will be returned to the submitting ranges or put into stock depending on need (see Appendix D). Repair consists of restoring the item to a like new physical condition and ensuring its electrical serviceability. Government-owned FPS-16 test-bed radar may be used to test components after repair. The test-bed radar is a complete radar system which must be operated and maintained at the contractor facility. If estimated repair cost exceeds 75 percent of the current acquisition cost of a new unit, the defective component shall not be repaired unless approved by the contracting officer. CDRLs A003, A006, A015, A016.

3.3.2 Vendor Repair: Investigate, evaluate, and arrange for vendor repair and drop shipment for those items unable to be repaired in-house or when it is more advantageous to the government to do so. Those repairs performed by vendors where estimated cost to the government exceeds \$15,000 require contracting officer prior approval. The estimated repair costs shall not exceed 75 percent of the current acquisition cost of a new unit unless approved by the contracting officer. CDRL A003, A006, A015 and A016.

3.3.3 Contractor Fabrication: Investigate, evaluate, develop and fabricate those obsolete items which are not available from other sources or when it is deemed more advantageous to the government. Contractor fabrication estimated to exceed \$15,000 requires contracting officer prior approval. CDRL A003, A012, and A016.

3.3.4 Changes or Modifications: Changes or modifications to the original design of reparable, necessary for product improvement or increased reliability, may be made provided the functional capability of the unit remains the same and the program office concurs. Recommendations for any changes in form, fit or function shall be identified to the ranges in the Field Information Bulletins (FIBs). CDRL A004.

3.4 Engineering/Technical Support:

3.4.1 Field Support: Provide field support when authorized by the contracting officer. (Reference Appendix D). Each field support action historically involves one workweek (56 direct-labor work-performance hours) including travel time to the requesting site. The contractor shall publish a summary

report of work accomplished during field support. Typical problems encountered are listed below; however, this list is not inclusive:

Antenna Problems
Electronic Alignments
Checkout Software
Slip Ring Problems
Align Receivers
Calibration and Accuracy Evaluation
On-the-Job Training
Computer Interface
Plotter Problems
Gear Box Problems
Checkout Tape Drive and Change Tape Drive's Magnetic Head
In-House Engineering Support to Resolve Unique Problems
Training in Operations and Maintenance of Member Systems
CDRL A008, A015 and A016.

3.4.2 Technical Investigations: Perform technical investigations to make recommendations for engineering changes to resolve technical problems associated with systems listed in Appendix A as directed by the contracting officer. Approximately two investigations per year will be required. CDRL A015, A016 and A020.

3.4.3 Obsolescence Engineering: Investigate, evaluate, develop and replace, where applicable, obsolete and non-obtainable parts/components for all supported radar systems. Recommend engineering changes which would improve technical performance, improve reliability and maintainability or reduce operating costs. Recommendations and technical solutions to obsolescence issues shall be identified to the ranges in the Field Information Bulletin (FIBS). Approximately four man-years are estimated to perform obsolescence engineering. CDRL A004, A015 and A016.

3.5 Field Overhauls:

3.5.1 Overhaul Systems: Overhauls listed in Appendix B in accordance with contractor developed Work Specification. This specification shall be developed by the contractor and coordinated with the program office, subject to the written approval of the contracting officer as to adequacy for the purpose intended. A "full" overhaul includes all subsystems of the particular radar while a "partial" overhaul is defined as overhaul of the pedestal/antenna subsystem only. During the pre-overhaul survey any variation to these definitions will be noted by the contractor and range manager. CDRL A005 and A015.

3.5.2 Pre-Overhaul Surveys: Pre-overhaul surveys shall be accomplished jointly by the contractor, range manager or his authorized representative, and site operating personnel for the equipment designated by the overhaul schedule. To minimize travel costs, the contractor will accomplish multiple overhaul surveys in succession. CDRL A007, A015 and A016.

3.5.3 Equipment Inspection: Inspect the equipment to be overhauled and coordinate pre-overhaul reports with the cognizant range manager. Pre-overhaul surveys shall be conducted approximately ninety (90) days prior to the scheduled start of the overhaul. Material listed in the survey report shall be drawn from stock, or procured, and shipped to the site prior to the overhaul. When it becomes evident that material cannot be obtained by the scheduled overhaul date, the range manager shall be notified to determine if the original overhaul schedule must be met and the additional material installed by a follow-up visit, or the overhaul scheduled for a later date. CDRLs A006, A007 and A015.

3.5.3.1 Determine the specific equipment to be overhauled and the condition of the equipment.

3.5.3.2 Determine manpower, skills, test equipment, tooling facilities, material and technical data required to accomplish the Field Overhaul.

3.5.3.3 Determine the tests required to ensure that upon completion of the overhaul the equipment meets operational standards.

3.5.3.4 Determine range facilities and equipment available to the overhaul team. The contractor is authorized to use the range facilities and equipment listed in Appendix C on an as-available non-reimbursable basis.

3.5.4 Overhauls: Overhaul the system in accordance with the approved pre-overhaul survey as amended at the time the overhaul is performed. The overhaul shall be performed with maximum consideration given to site operational support requirements and shall not exceed the following downtime schedules for the following systems.

<u>SYSTEM TYPE</u>	<u>FULL OVERHAUL DOWNTIME (CALENDAR DAYS)</u>	<u>PARTIAL OVERHAUL DOWNTIME (CALENDAR DAYS)</u>
AN/FPS-16 and AN/MPS-25 (Mod 0)	14	12
AN/FPS-16 and AN/MPS-25 (Mod 1)	16	14
AN/FPQ-6, AN/TPQ-18 and HAIR	17	14
AN/FPQ-10	14	12
AN/FPQ-13	14	12
AN/FPQ-14	17	14
AN/MPS-36	17	12
AN/FPS-105	14	12
AN/TPQ-39 DIR	12	10
AN/TPQ-39(V) NIDIR	14	10
RIR-778, MR-710	14	10
RIR-716	14	12
RIR-779	14	10
NIKE-HERC	14	10
AN/MPS-39	24	18
All TM Pedestals		12

CDRL A015 and A016.

3.5.4.1 Correct additional radar deficiencies which occur subsequent to the survey and which are discovered during the overhaul. These deficiencies shall be corrected by the contractor during the downtime allotted for the overhaul. If skills, material and/or downtime are not available, the contractor is responsible for post-overhaul action to correct the deficiency as soon as possible. CDRL A016.

3.5.4.2 If the overhaul includes the inspection and repair of boresight tower equipment, it will be the responsibility of the local range manager to remove equipment such as the boresight target boards, feedhorns, waveguide, etc., for inspection and rework, and to replace the refurbished items. Where the local range manager is unable to furnish these services, he will furnish the contractor with a current certificate of inspection and safety attesting to the structural integrity of the tower, its ladder, guy wires and mooring prior to the time contractor personnel climb the tower to perform the required work.

3.5.5 System Testing: Perform system testing at the conclusion of the overhaul work. The results of these tests and the work accomplished during the overhaul shall be reviewed jointly by the range manager, or his authorized representative, representatives of the radar operating organization and the contractor. The purpose of the review shall be to identify post-overhaul effort required by the contractor, evaluate the quality of the overhaul and assign specific responsibilities for all open overhaul items. At the conclusion of the review, the range manager, or his authorized representative, will signify his technical acceptance of the overhaul and list any specific items of deficiency. Upon technical acceptance of the overhaul, the radar will be returned to the operating agency. Minutes of the review meeting, along with

post-overhaul effort required by the contractor, and a summary of all open overhaul items shall be published by the contractor. CDRLs A009 and A015.

3.5.6 Government-owned Vans: Vans are available to the contractor for use as transportable workshops. If used, the contractor shall maintain a complement of material in the vans to support the planned overhauls. Large bulky items and long-lead time items not practicable for shipment in the van will be accumulated by the contractor and pre-shipped to the site requiring the overhaul. Unforeseen requirements during the course of the overhaul will be provided by the range supply system to the level indicated in Appendix C. Items obtained from range supply shall be returned at the earliest possible date. The contractor will arrange for transportation of the mobile overhaul vans, or specified test equipment to the overhaul site.

3.6 Systems Modifications:

3.6.1 Design, Fabricate, Install, Integrate, Test and Document: Design, fabricate, install, integrate, test and document modifications to various radar systems when required and directed by the contracting officer. Provide value engineering and recommend process improvements during the design phase of the modification. CDRLs A010, A011, A012, A013, and A016.

3.6.2 Costs: Provide costs ("budgetary" estimates) in the form of an abbreviated Cost Proposal (approximately 20 per year) as requested by range managers. The requirements for systems modifications (reference paragraph 3.6.1) will be added to the contract by means of a contract modification. When requested by the contracting officer, the contractor shall prepare a Cost Proposal and a Technical Proposal for systems modifications projects for review by the government (approximately 20 per year). If found acceptable, a delivery order will be issued. CDRL A021

3.7 Transportation Services: Contractor will arrange commercial transportation of government-owned material. Shipments for foreign participants will be at the contractor's expense to the Freight-Forwarders point to be identified by the program office. CDRL A015.

3.8 Program Management:

3.8.1 Program Status: The contractor shall provide a Windows based application for internet for all ranges, and the program office to include maintenance of an interactive IRSP web page. The program office and contractor will jointly conduct semiannual meetings attended by all range participants to review the program status and provide a forum for technical interchange. These meetings are usually rotated around the U.S. near one of the IRSP participants' operating locations. In addition, quarterly program status reviews will be conducted at a prearranged location. The contractor will prepare minutes of all quarterly program status reviews. CDRL A014, and A018.

3.8.2 Range Manager's Handbook: The contractor shall update the existing handbook and submit to the program office for approval six months after contract award and annually or as requested by the program office. Upon approval by the program office, the contractor shall make the finalized document available to range managers listed in Appendix A. Topics to be included will be furnished by the program office no later than 90 days before document is submitted for approval. CDRL A017.

3.8.3 Phase-Out: The contractor shall prepare a phase-out plan outlining an orderly phase-out while continuing support to the range participants with minimum disruption of essential functions. The actual phase-out activity will not commence until directed by the contracting officer. CDRL A019.

4.0 SPECIAL CONSIDERATIONS:

4.1. Program Office: The government has established a program office which is located at the 45th Space Wing (45SW), Patrick AFB FL. The program office is the primary technical focal point for both the contractor and the program participants.

4.2 Program Participants: Each participant establishes annual support requirements with the program office. They also participate in pre-overhaul inspections and post-overhaul testing to assure that the

results are satisfactory. Each participant is responsible for local configuration management. No central repository of configuration drawings is available.

APPENDIX A (BY RANGE)

RADAR SYSTEMS TO BE SUPPORTED DURING FY 02 - FY 07

1. RANGE - WHITE SANDS MISSILE RANGE, NM (WSMR)

ITEM	NOMENCLATURE	S/N	LOCATION
1	FPS-16	4	HELSTF
2	FPS-16	6	"C" Station, WSMR
3	FPS-16	9	Malone Site
4	FPS-16	12	Stallion, NM
5	FPS-16	16	Phillips Hill, NM
6	FPS-16	22	Rhodes Canyon
7	FPS-16	26	Tula G
8	FPS-16	28	Ft. Wingate
9	FPS-16	33	Range Road 7
10	FPS-16	40	Range Road 7
11	MPS-25	XN-1	Wilde Site
12	MPS-36	6	Adam Site
13	MPS-36	8	Ft. Wingate
14	MPS-36	9	C Station
15	MPS-36	14	Adam Site
16	MPS-39	1	"C" Station, WSMR
17	MPS-39	3	Rita Site

RANGE MANAGER

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2. RANGE - 45th SPACE WING (45SW) (AFSPC support to ER)

ITEM	NOMENCLATURE	S/N	LOCATION
1	FPS-16	11	Cape Canaveral AFS, FL
2	FPQ-15	2	Ascension Island
3	FPQ-14	21	Patrick AFB, FL
4	FPQ-14	22	Antigua AS W.I.
5	FPQ-14	23	JDIF, Jupiter, FL
6	FPQ-14	24	Kennedy Space Center, FL
7	TPQ-18	M-1	Ascension IS
8	MCBR	1	Kennedy Space Center , FL
9	MCBR	2	Argentia, Newfoundland
10	MPS-39	2	Cape Canaveral AFS, FL

RANGE MANAGER

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3. RANGE - 30th SPACE WING (30SW)

ITEM	NOMENCLATURE	S/N	LOCATION
1	EAR	NSN	Vandenberg AFB, CA
2	FPS-16	21	South Vandenberg, CA
3	TPQ-18	5	South Vandenberg, CA
4	FPQ-6	6	Pillar Point, CA
5	FPQ-14	NSN	Kaena Point, HI
6	MPS-36	2	Pillar Point, CA
7	HAIR	NSN	Vandenberg AFB, CA
8	MPS-39		Vandenberg AFB, CA

RANGE MANAGER

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4. RANGE - AIR ARMAMENT CENTER (AAC)

ITEM	NOMENCLATURE	S/N	LOCATION
1	FPQ-13	20	Ft. Walton Bch, FL
2	FPS-16	23	Port St. Joe, FL
3	FPS-16	27	Port St. Joe, FL
4	FPS-16	31	Ft. Walton Bch, FL
5	FPS-16	32	Ft. Walton Bch, FL
6	FPS-16	39	Niceville, FL
7	FPS-16	42	Ft. Walton Bch, FL
8	FPQ-13	17	Ft. Walton Bch, FL
9	NIKE-Hercules MPA-5 TTR(V)		Ft. Walton Bch, FL
10	NIKE-Hercules MPA-5 TTR(H)		Ft. Walton Bch, FL
11	NIKE-Hercules MPA-5 TRR		Ft. Walton Bch, FL
12	NIKE-Hercules MPA-5		Ft. Walton Bch, FL

TM Pedestals: Logistics Support and Partial Overhauls only:

1	Datron 120959 (3)	1001, 1002, 1003	Ft. Walton Bch, FL
2	Scientific Atlanta OK 172 (3)	3,4 & 5	Ft. Walton Bch, FL
3	Scientific Atlanta OK 172 (3)	8,9, & 10	Port St. Joe, FL

RANGE MANAGER

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5. RANGE - NASA WALLOPS

ITEM	NOMENCLATURE	S/N	LOCATION
1	RIR-716	8	Wallops IS, VA
2	RIR-716	49	Wallops IS, VA
3	FPQ-6	3	Wallops IS, VA
4	RIR-778	81012	Wallops IS, VA
5	RIR-778	82013	Wallops IS, VA
6	RIR-778	90017	Wallops IS, VA
7	RIR-778	90079	Wallops IS, VA

RANGE MANAGER

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6. RANGE - ELECTRONIC PROVING GROUND (EPG)

ITEM	NOMENCLATURE	S/N	LOCATION
1	FPS-16	14	Scott Peak, AZ
2	FPS-16	29	Ft. Huachuca, AZ
3	FPS-16	47	Ft. Huachuca, AZ
4	FPS-16/CAPRI	01	Mt. Lemmon, AZ

RANGE MANAGER

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Commander

USAWSMR-EPG

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7. RANGE - AIR FORCE MATERIEL COMMAND (AFMC)

ITEM	NOMENCLATURE	S/N	LOCATION
1	RIR-716	25	Norton AFB, CA
2	FPS-16	35	Norton AFB, CA
3	TPQ-39(DIR)	4	Norton AFB, CA
4	MR-710A	322M	Norton AFB, CA
5	MR-710A	303M-147	Norton AFB, CA
6	MR-710A	172M	Norton AFB, CA
7	MR-710A	123M	Norton AFB, CA
8	MR-710A	24M	Norton AFB, CA
9	MR-710A	501070	Norton AFB, CA
10	MR-710A	71M	Norton AFB, CA
11	RIR-778 (86020)	45	Norton AFB, CA
12	RIR-778 (86019)	45	Norton AFB, CA
13	MR-710C	7190	Norton AFB, CA
14	MR-710C	657	Norton AFB, CA
15	RIR-778	90046	Norton AFB, CA
16	RIR-778	90047	Norton AFB, CA

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8. RANGE - NASA DRYDEN FLIGHT RESEARCH CENTER

ITEM	NOMENCLATURE	S/N	LOCATION
1	RIR-716	34	Edwards AFB, CA
2	RIR-716	38	Edwards AFB, CA
3	FPS-16	41	Edwards AFB, CA

TM Pedestals: Logistics Support and Partial Overhauls Only

1	SA TRIPLEX	Edwards AFB, CA
2	SA MFTS	Edwards AFB, CA

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9. RANGE – EASTERN RANGE - SMC (SMC Support to ER Radars)

ITEM	NOMENCLATURE	S/N	LOCATION
1	FPS-16	11	Cape Canaveral AFS, FL
2	FPQ-15	2	Ascension Island
3	FPQ-14	21	Patrick AFB, FL
4	FPQ-14	22	Antigua AS W.I.
5	FPQ-14	23	JDIF, Jupiter, FL
6	FPQ-14	24	Kennedy Space Center, FL
7	TPQ-18	M-1	Ascension IS
8	MCBR	1	Kennedy Space Center , FL
9	MCBR	2	Argentia, Newfoundland
10	FPQ-6	4	Patrick AFB, FL
11	MPS-39	2	Cape Canaveral AFS, FL

RANGE MANAGER

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10. RANGE - UNITED KINGDOM (UK)

ITEM	NOMENCLATURE	S/N	LOCATION
1	FPS-16	44	Aberporth, Wales
2	FPS-16	45	Aberporth, Wales
3	TPQ-39(V)	2	Aberporth, Wales
4	MPS-39	5	Aberporth, Wales
5	TPQ-39(V)	1	St Kilda, Hebrides
6	TPQ-39(V)	3	RCB North, Hebrides
7	TPQ-39(V)	4	So. Clettraval, Hebrides
8	TPQ-39(V)	5	St. Kilda, Hebrides
9	RIR-779	1	So. Uist, Hebrides
10	RIR-779	2	So. Uist, Hebrides

RANGE MANAGER

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11. RANGE - DEPARTMENT OF ENERGY (DOE)

ITEM	NOMENCLATURE	S/N	LOCATION
1	MPS-25	1	Tonopah, NV
2	MPS-36	5	Tonopah, NV
3	MR 710	89099-100	Tonopah, NV
4	RIR 778C	888111	Tonopah, NV
5	WF-100	101A	Tonopah, NV

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12. RANGE - YUMA PROVING GROUND (YPG)

ITEM	NOMENCLATURE	S/N	LOCATION
1	MPS-25	XN-2	Yuma, AZ

RANGE MANAGER

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13. RANGE - U. S. ARMY KWAJALEIN ATOLL (USAKA)

ITEM	NOMENCLATURE	S/N	LOCATION
1	MPS-36	3	Kwajalein IS
2	MPS-36	4	Kwajalein IS

RANGE MANAGER

Mr. R. David Huffman
 Deputy Commanding General
 US Army Space and Missile Defense Command
 SMDC-AC-K-SP (Attn: Dave Huffman)
 P.O. Box 1500
 Huntsville, AL 35807-3801
 Phone: DSN 645-1252 Comm: (256) 955-1252
 FAX: DSN 645-1979 Comm: (256) 955-1979
 dave.huffman@smdc.army.mil

14. RANGE - DEUTSCHES ZENTRUM FUER LUFT - UND RAUMFAHRT (DLR)

ITEM	NOMENCLATURE	S/N	LOCATION
1	MPS-36	10	Munich, Germany
2	RIR-774	89190	Munich, Germany

RANGE MANAGER

Mr. Dietmar Kail
 DLR
 RB-MR
 P.O. Box 1116
 D-82230 Wessling
 Germany
 Phone: (CC49) 8153-282600 e-mail: dietmar.kail@dlr.de
 FAX: (CC49) 8153-281344

15a. RANGE - MINISTRY OF DEFENSE/MEPPEN (MOD)

ITEM	NOMENCLATURE	S/N	LOCATION
1	MPS-36	11	Meppen, Germany
2	RIR 778	81011	Meppen, Germany

RANGE MANAGER

Mr. John Stumpf

WTD 91 der Bundeswehr

Dezernat 240

49716 Meppen

Germany

Phone: 011 49 5931 432648

FAX: 011 49 5931 432091 Telex: #098605

hansjoachimstumpf@bwb.org

15b. RANGE - MINISTRY OF DEFENSE/MANCHING (MOD)

ITEM	NOMENCLATURE	S/N	LOCATION
1	MPS-36	12	Manching, Germany

RANGE MANAGER

Mr. Gerhard Fischer

WTD 61 D. BW

Dezernat 230

Flugplatz

85077 Manching

Germany

Phone: 8459-802612

FAX: 8459 80 3209 Telex: 5215800 BW-D

GerdHuenerbein@bwb.org

16. RANGE - NAVAL AIR WARFARE CENTER-AIRCRAFT DIVISION
(NAVAIRWARCENAIRDIV) NAWC-AD

ITEM	NOMENCLATURE	S/N	LOCATION
1	TPQ-39	2	Patuxent NAS, MD
2	NIKE HERC RIR 778	85015	Patuxent NAS, MD
3	NIKE HERC RIR 778	85016	Patuxent NAS, MD
4	NIKE HERC RIR 778	85018	Patuxent NAS, MD
5	MIR AN/FPQ-17	1	Patuxent NAS, MD
6	RIR-778 (Ka)	79010	Patuxent NAS, MD
7	AN/TSQ-151/RBSU	1	Spokane, WA
8	AN/TSQ-151/RBSU	2	Pachino (Sicily) Italy

RANGE MANAGER

Mr. Greg Havens

Chesapeake Test Range Department, RD61, Bldg 1406

Naval Air Warfare Center, Aircraft Division

Patuxent River, MD 20670-5304

Phone: DSN 326-1322 Comm (301) 263-1322

FAX: DSN 326-1190 Comm (301) 826-1190

e-mail: havensg@navair.navy.mil or Shupehw@navair.navy.mil

17. RANGE - ATLANTIC FLEET WEAPONS TRAINING FACILITY (AFWTF)

ITEM	NOMENCLATURE	S/N	LOCATION
1	FPS-16/CAPRI	50	St. Croix, VI
2	FPS-105/CAPRI	UNK	St. Thomas, VI
3	TTR NIKE	1	Crown Mountain, St. Thomas, VI
4	TTR NAMSA NIKE	2	Crown Mountain, St. Thomas, VI
5	MTR NAMSA NIKE	3	St. George Hill, St. Croix, VI
6	MTR NAMSA NIKE	4	Pico del Este, PR
7	TTR NIKE	5	Cerro Matias, Vieques, PR

RANGE MANAGER

Mr. Angel Matos

Atlantic Fleet Weapons Training Facility

Code 72

Instrumentation Systems Division

Naval Station Roosevelt Roads

Ceiba, PR00735

Phone: Comm (787) 865-3317

FAX: (787) 865-0440

18. RANGE - FEDERAL AVIATION ADMINISTRATION (FAA)

ITEM	NOMENCLATURE	S/N	LOCATION
1	NIKE HERC RIR 778	88207	Pomona, NJ
2	NIKE HERC RIR 778	88289	Pomona, NJ
3	NIKE HERC RIR 778	88246	Pomona, NJ

RANGE MANAGER

Mr. Ants Piip
DOT/FAA Technical Center
ACT-370
Atlantic City International Airport, NJ 08405
Phone: Comm (609) 485-5752
FTS 484-5016
FAX Comm (609) 485-5448
e-mail: Ants.Piip@faa.gov

19. RANGE – REPUBLIC OF KOREA (ROK)

ITEM	NOMENCLATURE	S/N	LOCATION
1	TPQ-39(V)	6	ROK
2	RIR-778X	91093	ROK
3	RIR-778X	91094	ROK

RANGE MANAGER

Mr. Kyung-Bin Bae
Anheung Proving Ground
P. O. Box 1, Taeahn
Chungnam, Korea
Phone: 82-41-671-2213
FAX: (82) 41-673-1122
Baekb@sunam.kreonet.re.kr

20. RANGE - TAIWAN

ITEM	NOMENCLATURE	S/N	LOCATION
1	TPQ-39(V)	UNK	Taiwan
2	RIR-778C	90044	Taiwan
3	RIR-778C	90045	Taiwan

RANGE MANAGER

Col Chien-Chun Ho
P.O. Box 90008-15-6
Lung-Tan, Taiwan
Republic of China 325
Phone: 886-3-4712201 Ext. 352078
FAX: 886-3-4713318

21. RANGE - UTAH TEST AND TRAINING RANGE (UTTR)

ITEM	NOMENCLATURE	S/N	LOCATION
1	MPS-36	1	Hill AFB, UT
2	TPQ-39(V)10	1	Hill AFB, UT
3	TPQ-39 (DIR)		Hill AFB, UT

RANGE MANAGER

Mr. Clifford R. Young

388RANS/DOG

6067 Box Elder Ln.

Hill AFB, UT 84056-5811

Phone: DSN 777-6195 Comm (801) 777-6195 FAX: AV777-6209 Comm (801) 777-6209

e-mail: cliff.young@hill.af.mil

22. RANGE-NAVAL AIR WARFARE CENTER-WEAPONS DIVISION

ITEM	NOMENCLATURE	S/N	LOCATION
1	FPS-16	2	Point Mugu, CA
2	FPS-16	3	Point Mugu, CA
3	FPS-16	5	Point Mugu, CA
4	FPS-16	7	San Nicolas IS, CA
5	RIR-716	10	San Nicolas IS, CA
6	FPS-16	13	San Nicolas IS, CA
7	FPS-16	15	San Nicolas IS, CA
8	RIR-716	24	San Nicolas IS, CA
9	AN FPS-105	ROTR 1	China Lake, CA
10	NIKE Hercules TTR	1	China Lake, CA
11	NIKE Hercules TTR	ROTR 4	China Lake, CA
12	NIKE Hercules TTR	3	China Lake, CA
13	NIKE Hercules MTR	ROTR 3	China Lake, CA
14	NIKE Hercules	6	China Lake, CA
15	NIKE Hercules	ROTR 2	China Lake, CA

TM Pedestals: Logistics Support and Partial Overhauls Only

1	GKR-8A	017B01	San Nicolas IS, CA
2	GKR-12	017B02	San Nicolas IS, CA
3	GKR-8A	017B03	San Nicolas IS, CA
4	SKR-1	01GF01	San Nicolas IS, CA
5	SKR-1	01GF02	San Nicolas IS, CA
6	GKR-13	OL7B01	Laguna Peak, CA

RANGE MANAGER

Mr. Ronald Robles

NAWC-WD

Code 522530E (Ron Robles)

575 I Ave. Suite I

Point Mugu, CA 93042-5049

Phone: DSN351-7937 Comm (805) 989-7937

FAX: (805) 989-7952

*Code 522230D (Jeff Conaway)

Naval Air Warfare Center-Wpns Div

1 Administration Circle

China Lake, CA 93555-6001

Phone: DSN437-4345

Com: (760)939-4352

email: roblesr@navair.navy.mil

email: conawayJM@navair.navy.mil

* Authorized to requisition

23. RANGE – MOBILE SENSORS (AFTAC)

ITEM	NOMENCLATURE	S/N	LOCATION
1	T-AGM23 X BAND		USNS Observation Island
2	T-AGM23 S BAND		USNS Observation Island
3	AN/FPS-108		Shemya, AK
4	T-AGM24 X BAND		USNS Invincible
5	T-AGM24 S BAND		USNS Invincible

RANGE MANAGER

Lt Col William F. Burwell

AFTAC/DOY

1030 S. Highway A1A

Patrick AFB, FL 32925-3002

Phone: DSN854-5714 Comm (321) 494-5714

FAX: DSN854-6461 Comm (321) 494-5720

Email: doy@patrick.af.mil

24. RANGE - PACIFIC MISSILE RANGE FACILITY (PMRF)

ITEM	NOMENCLATURE	S/N	LOCATION
1	MPS-25	2	Barking Sands, HI
2	MPS-25	3	Makaha Ridge, HI
3	MPS-25	4	Makaha Ridge, HI
4	MPS-25	5	Barking Sands, HI
5	FPQ-10	2	Makaha Ridge, HI
6	FPQ-10	3	Makaha Ridge, HI
7	FPQ-10	6	Kokee Park, HI
8	FPS-16	30	Kokee Park, HI

RANGE MANAGER

Mr. Raymon L. Miller

Pacific Missile Range Facility

Barking Sands - Code 7322-3, P.O. Box 128, Kekaha, HI 96752-0128 Phone: DSN 315-471-6537

Comm (808) 335-4537 FAX: DSN 315-471-6534 Comm (808) 335-4534

e-mail: rmiller@pmrf.navy.mil

APPENDIX B

OVERHAUL SCHEDULE

1 Oct 01 – 30 Sep 02

	RANGE	RADAR	S/N	RADAR SITE	TYPE OVERHAUL	DESIRED DATE
1.	AAC	FPQ-13*	20	FORT WALTON BCH	P	OCT 01
2.	UK	MPS-39	5	ABERPORTH WALES	F	NOV 01
3.	NAWC-WD	FPS-16	15	SAN NICOLAS ISL, CA	F	DEC 01
4.	NAWC-WD	GKR-8A	017B01	SAN NICOLAS ISL, CA	P	DEC 01
5.	AFWTF	MTR NAMSA NIKE**	2	ST. THOMAS, VI	F	JAN 02
6.	WSMR	FPS-16	9	MALONE SITE	F	JAN 02
7.	YPG	MPS-25	XN-2	YUMA, AZ	F	FEB 02
8.	EPG	FPS-16/CAPRI	1	MT. LEMMON, AZ	P	APR 02
9.	AFMC	FPS-16**	35	NORTON AFB, CA	P	MAY 02
10.	AAC	DATRON120959	1003	FT. WALTON BCH, FL	P	JUN 02
11.	NASA/W	RIR-716	8	WALLOPS ISL, VA	P	JUL 02
12.	FAA	RIR-778	88207	POMONA, NJ	F	JUL 02
13.	USAKA	MPS-36	3	KWAJALEIN ISL	F	AUG 02
14.	WSMR	MPS-25	1	WILDE SITE	F	AUG 02
15.	AAC	FPS-16	32	FT. WALTON BCH, FL	PRE	AUG 02

Note: The "Desired Date" is negotiable between the contractor and Range Managers. In the event of a conflict, a final determination will be made by the IRSP government Program Manager.

* Servo installation included.

** Hazardous waste disposal required.

APPENDIX B

OVERHAUL SCHEDULE

1 Oct 02 – 30 Sep 03

	RANGE	RADAR	S/N	RADAR SITE	TYPE OVERHAUL	DESIRED DATE
1.	AAC	FPS-16	32	FT WALTON BCH, FL	P	OCT 02 *
2.	NAWC-WD	FPS-16	13	SAN NICOLAS ISL, CA	F	DEC 02
3.	NAWC-WD	GKR-12	017B02	SAN NICOLAS ISL, CA	P	DEC 02
4.	WSMR	FPS-16	22	RHODES CANYON	F	JAN 03
5.	UK	TPQ-39(V)	3	RCB NO.EBRIDES	F	FEB 03
6.	YPG	MPS-36	7	YUMA, AZ	F	FEB 03
7.	AAC	DATRON 120959	1002	FT. WALTON BCH, FL	P	MAR 03
8.	EPG	FPS-16	47	FT. HUACHUCA, AZ	P	MAR 03
9.	FAA	RIR-778	2	POMONA, NJ	P	APR 03
10.	NASA/W	RIR-778	90017	WALLOPS ISL, VA	P	APR 03
11.	NASA/D	RIR-716	38	CROWS LANDING, CA	F	MAY 03
12.	UK	FPS-16	44	ABERPORTH, WALES	F	JUN 03
13.	AAC	OK-172	4	FT. WALTON BCH, FL	P	JUN 03
14.	WSMR	MPS-36	9	"C" STATION	F	AUG 03
15.	USAKA	MPS-36	4	KWAJALEIN ISL	F	AUG 03
16.	AAC	FPS-16	27	PORT ST. JOE, FL	PRE	AUG 03

Note: The "Desired Date" is negotiable between the contractor and Range Managers. In the event of a conflict, a final determination will be made by the IRSP government Program Manager.

* PRE-O/H PERFORMED 4TH QUARTER, FY02

APPENDIX B

OVERHAUL SCHEDULE

1 Oct 03 – 30 Sep 04

	RANGE	RADAR	S/N	RADAR SITE	TYPE OVERHAUL	DESIRED DATE
1.	AAC	FPS-16	27	PORT ST. JOE, FL	P	OCT 03*
2.	NAWC-WD	RIR-716	10	SAN NICOLAS ISL, CA	F	DEC 03
3.	NAWC-WD	GKR-8A	017B03	SAN NICOLAS ISL, CA	P	DEC 03
4.	WSMR	FPS-16	4	HELSTF	F	JAN 04
5.	YPG	TPQ-39	3	YUMA, AZ	F	FEB 04
6.	AAC	OK-172	5	FT. WALTON BCH, FL	P	FEB 04
7.	UK	TPQ-39(V)	4	SO. CLETTREVAL, HEB	F	MAR 04
8.	EPG	FPS-16	14	ADAM SITE	P	MAR 04
9.	NASA/W	RIR-778	82013	WALLOPS ISL, VA	P	APR 04
10.	UK	FPS-16	45	ABERPORTH, WALES	F	JUN 04
11.	DLR	RIR-774	89190	MUNICH, GERMANY	P	JUN 04
12.	UK	RIR-779	2	SO. UIST, HEBRIDES	F	JUL 04
13.	WSMR	MPS-36	14	"C" STATION, WSMR	F	AUG 04
14.	DOE	MR-710	89099	TONOPAH, NV	P	AUG 04
15.	AAC	FPS-16	17	FT. WALTON BCH, FL	PRE	AUG 04

Note: The "Desired Date" is negotiable between the contractor and Range Managers. In the event of a conflict, a final determination will be made by the IRSP government Program Manager.

* PRE-O/H PERFORMED 4TH QUARTER, FY03

APPENDIX B

OVERHAUL SCHEDULE

1 Oct 04 – 30 Sep 05

	RANGE	RADAR	S/N	RADAR SITE	TYPE OVERHAUL	DESIRED DATE
1.	AAC	FPS-16	17	FT. WALTON BCH, FL	P	OCT 04*
2.	NAWC-WD	RIR-716	24	POINT MUGU, CA	F	DEC 04
3.	NAWC-WD	SKR-1	01GFO1	SAN NICOLAS IS, CA	P	DEC 04
4.	AAC	OK-172	8	PORT ST. JOE, FL	P	FEB 05
5.	YPG	MPS-25	XN-2	YUMA, AZ	P	FEB 05
6.	NASA/W	FPQ-6	3	WALLOPS ISL, VA	P	APR 05
7.	UK	TPQ-39(V)	2	ABERPORTH, WALES	F	JUN 05
8.	UK	RIR-779	1	SO. UIST HEBRIDES	F	JUN 05
9.	WSMR	FPS-16	12	STALLION, NM	F	JUL 05
10.	WSMR	MPS-36	8	FT. WINGATE NM	F	AUG 05
11.	USAKA	MPS-36	3	KWAJALEIN IS	F	AUG 05
12.	AAC	FPS-16	23	PORT ST. JOE, FL	PRE	AUG 05

Note: The "Desired Date" is negotiable between the contractor and Range Managers. In the event of a conflict, a final determination will be made by the IRSP government Program Manager.

* PRE-O/H PERFORMED 4TH QUARTER, FY04

APPENDIX B

OVERHAUL SCHEDULE

1 Oct 05 – 30 Sep 06

	RANGE	RADAR	S/N	RADAR SITE	TYPE OVERHAUL	DESIRED DATE
1.	AAC	FPS-16	23	PORT ST. JOE, FL	P	OCT 05*
2.	NAWC-WD	FPS-16	3	PT MUGU, CA	F	DEC 05
3.	NAWC-WD	SKR-1	01GF02	SAN NICOLAS IS, CA	P	DEC 05
4.	AFWTF	FPS-105/CAPRI		ST. THOMAS, V.I.	F	JAN 06
5.	YPG	MPS-36	7	YUMA, AZ	P	FEB 06
6.	AAC	DATRON 120959	1003	FT. WALTON BCH, FL	P	FEB 06
7.	UK	TPQ-39(V)	5	ST. KILDA, HEBRIDES	F	MAR 06
8.	NASA/W	RIR-778	81012	WALLOPS ISL, VA	P	APR 06
9.	UK	FPS-16	44	ABERPORTH, WALES	F	JUN 06
10.	WSMR	FPS-16	28	FT. WINGATE	F	JUL 06
11.	WSMR	MPS-39	3	RITA SITE	F	AUG 06
12.	USAKA	MPS-36	4	KWAJALEIN IS	F	AUG 06
13.	AAC	FPS-16	42	FT. WALTON BCH, FL	PRE	AUG 06

Note: The "Desired Date" is negotiable between the contractor and Range Managers. In the event of a conflict, a final determination will be made by the IRSP government Program Manager.

* PRE-O/H PERFORMED 4TH QUARTER, FY05

APPENDIX B

OVERHAUL SCHEDULE

1 Oct 06 – 30 Sep 07

	RANGE	RADAR	S/N	RADAR SITE	TYPE OVERHAUL	DESIRED DATE
1.	AAC	FPS-16	42	FT. WALTON BCH, FL	P	OCT 06*
2.	NAWC-WD	FPS-16	2	POINT MUGU, CA	F	DEC 06
3.	NAWC-WD	SKR-1	OL7B01	LAGUNA PEAK, CA	P	DEC 06
4.	YPG	TPQ-39	7	YUMA, AZ	P	FEB 07
5.	AAC	OK-172	9	PORT ST. JOE, FL	P	FEB 07
6.	UK	TPQ-39(V)	3	RCB NO. HEBRIDES	F	MAR 07
7.	NASA/W	RIR-778	90079	WALLOPS ISL, VA	P	APR 07
8.	NASA/D	FPS-16	34	EDWARDS AFB, CA	F	MAY 07
9.	UK	FPS-16	45	ABERPORTH, WALES	F	JUN 07
10.	WSMR	FPS-16	16	PHILLIPS HILL, NM	F	JUL 07
11.	WSMR	FPS-16	40	RANGE ROAD 7	F	AUG 07

Note: The "Desired Date" is negotiable between the contractor and Range Managers. In the event of a conflict, a final determination will be made by the IRSP government Program Manager.

* PRE-O/H PERFORMED 4TH QUARTER, FY05

APPENDIX C

BASE SUPPORT

Following is a list of base support services and facilities that are available to the IRSP contractor by the respective installations. Additional support services may be provided on a noninterference basis at the discretion of the range manager.

1. 30SW, Vandenberg AFB, CA

- a. Government crane service (VAFB only)
- b. Forklift (VAFB only)
- c. Trucks for hauling material (VAFB only)

d. Disposal of hazardous waste generated at overhaul. The IRSP contractor will provide all requested information concerning quantity and content of all containers containing hazardous waste generated by overhaul.

2. WSMR, White Sands Missile Range, NM

- a. Tractor and driver for movement of overhaul van at WSMR radar sites
- b. Crane services
- c. Wrecker services
- d. Forklift services
- e. Material transport between sites and freight terminal
- f. Sandblasting services
- g. Minor Machine Shop services
- h. Distilled water service
- i. Telephone service (local)
- j. Disposal of hazardous waste generated at the overhaul.

Upon request, other services such as photographic service, reproduction service and clerical support are available.

3. USAKA, US Army Kwajalein Atoll, M.I.

- a. Cranes

- b. Forklifts
 - c. Vehicles - vans, pickups, etc.
 - d. Unloading facilities, sea and air
 - e. Test equipment
 - f. Calibration Laboratory (PMEL)
 - g. Office space
4. EPG, Ft Huachuca, AZ
- a. Heavy equipment (crane, cat, ditch digger, auger, etc.)
 - b. Mobile and commercial power
 - c. Local purchase of common stock items
 - d. Fabrication (Machine Shop) (Carpenter Shop)
 - e. Electronic Test Equipment
 - f. Calibration Laboratory (PMEL)
 - g. Data reduction
 - h. Local transportation (not personnel)
 - i. Disposal of hazardous waste generated at overhaul.

The above areas are subject to priority and prior commitments. It should be noted there is no support available in the areas of mess or billets.

5. YPG, Yuma, AZ

- a. Tractors, Fifth-wheel, 5 and 10 ton
- b. Machine Shop
- c. Welding Shop
- d. Carpenter Shop
- e. Electrical Shop
- f. Air-conditioning Shop, A/C mechanics
- g. Heavy equipment, cranes, forklifts
- h. Combined Maintenance Shop, vehicle mechanics, portable generators
- i. Disposal of hazardous waste at the overhaul

NOTE: The facilities can be made available only for a minimal time to effect repairs or other short-term actions as may be required on an IRSP contract. All items a. through h. must be scheduled in advance.

6. NAWC-WD/P, Point Mugu, CA

a. Government transportation, or specialized form of government transportation, shall be furnished for the transportation of contractor personnel, supplies and equipment including the overhaul van to and from San Nicolas Island (SNI) and while working on SNI.

b. Items of supply and/or equipment which are desirable or essential in the performance of services hereunder, and which are available at the Naval Air Warfare Center, Point Mugu may be requested by the contractor. Such requests will be satisfied on a loan basis subject to the discretion of the location Commanding Officer.

c. The government shall furnish the contractor personnel at SNI with lodging at the per diem rate.

(1) This lodging is provided on an "as is" "as available" basis. Lodging at SNI requires each occupant to clean and maintain their individual room, as required.

(2) The government shall provide room linen to contract employees, in accordance with SNI policy.

(3) The government shall authorize LIMITED exchange privileges to contractor personnel for "basic need" items only in accordance with existing SNI instructions.

(4) Morale and Welfare facilities shall be made available to contractor employees in accordance with the existing policy of the Officer-In-Charge, SNI.

d. All travel to radar sites by contractor employees under this contract shall be coordinated with the NAWC-WD/P Range Manager or his duly designated technical representative prior to the commencement of said travel.

e. Disposal of hazardous materials generated by overhaul.

7. NAWC-AD, Patuxent River, MD

Patuxent River: All public works type support such as cranes, heavy equipment movement, building/trailer repairs, air conditioner services, limited office space, telephone service, electrical power etc., is provided by the Naval Air Warfare Center-Aircraft Division.

RBSU, Spokane WA: All public works type support such as cranes, fork-lifts, general facilities maintenance and repairs available through a support agreement between the Navy and the nearby Fairchild AFB. The RBSU site has on-call maintenance service agreements with Data General and Tektronix with reported excellent response to date.

RBSU, Pachino (Sicily) Italy: Pachino Target Range (PTR) is a remote site located approximately 200 miles south of the main base, Naval Air Station (NAS) Sigonella. NAS Sigonella does provide facilities support through the public work department. However, due to the distance and limited support resources, any required support such as cranes, fork-lift etc. would have to be coordinated well in advance to determine availability. Local on- call maintenance service agreements with Data General and Tektronix are established.

Disposal will be provided for hazardous waste generated at the overhauls.

8. AFWTF, Roosevelt Roads, PR

The Base Support below is located at the sites at St. Croix and St. Thomas

a. Office space

b. Transportation/Driver services

c. Test equipment

d. Disposal of hazardous waste at overhaul removed from the radar not to include remains of hazardous materials brought to the site.

9. NASA/Wallops Flight Facility, Wallops Island, VA

a. 12 1/2 ton Pettibone crane

b. 25 ton crane

c. 75 ton crane

d. 65 foot basket truck

e. 95 foot basket truck

f. Disposal of hazardous waste generated at the overhaul

10. NASA DFRC, Edwards, CA

a. Crane Service - The Air Force crane is normally available for use when scheduled sufficiently in advance.

b. Forklifts are available for use in equipment moving and off-loading.

c. Disposal of hazardous waste generated at overhaul.

11. DOE, Tonopah Test Range, NV

a. Heavy equipment (forklift, crane, etc.)

b. Emergency medical service

c. Warehouse facilities for packing and shipping

d. Machine Shop (contractor operated)

e. Disposal of hazardous waste generated at overhaul

12. AAC, Air Armament Center, Eglin AFB, FL

a. Forklift

b. Storage space

c. Shop space

d. Disposal of hazardous materials generated at overhauls which have been accumulated, identified, and verified by the contractor in accordance with EOP 4-016 Eglin's "Hazardous Materials/Hazardous Waste Management Plan."

13. FAA/TC, Atlantic City, NJ

- a. Forklift
- b. Crane service
- c. Storage space
- d. Disposal of hazardous waste generated at overhaul.

14. UTTR, Utah Test and Training Range, Hill AFB, UT

- a. Vehicles or transportation to radar sites
- b. Cranes
- c. Forklifts
- d. Helicopters
- e. Disposal of hazardous waste generated at overhaul.

15. MOD, Ministry of Defense/Manching, Germany

- a. Cranes
- b. Forklift
- c. Shop Service
- d. Disposal of hazardous waste generated at overhaul.

16. AFMC, Air Force Materiel Command

- a. All services are available with exception; any special purpose tools/equipment provided by vendors, test equipment not common to range maintenance practices.
- b. Disposal of hazardous material generated by overhauls.

17. United Kingdom, Aberporth

- a. Heavy equipment (cranes, forklift trucks etc.) can be provided given reasonable notice. Precise requirements, with timeframes shall be coordinated at the Pre-Overhaul inspection.
- b. Engineering Workshop Facilities
- c. General purpose test and measurement equipment for diagnostics and routine operational performance verification.
- d. Disposal of hazardous waste generated at the overhaul. The contractor shall provide "Hazard Data Sheets" when leaving material for UK disposal. The contractor shall notify the Range Manager of any unusual circumstances or toxic waste requiring specialized handling.

18. PMRF Pacific Missile Range Facility, Barking Sands, Hawaii

Items of supply and/or equipment which are desirable or essential in the performance of services hereunder, and which are available at the Pacific Missile Range Facility, Barking Sands, Hawaii, may be requested by the

contractor. Such requests will be satisfied on a loan basis subject to the discretion of the Commanding Officer.

APPENDIX D
LOGISTICS AND FIELD SUPPORT

1 OCT 01 – 30 SEP 02

Following are items to be supported:

- | | |
|----------------------------|------------------------------------------|
| 1. ROUTINE REQUISITIONS: | 647 (Approximately 20% are Fabrications) |
| 2. EMERGENCY REQUISITIONS: | 117 |
| 3. COMPONENT REPAIRS: | 787 |
| 4. ENGINEERING SUPPORT: | 116 |

NOTE: The quantities of the items to be supported above represents the government's estimate of actual work requirements. In the event the stated quantity of any of the above listed items is exceeded, the contractor shall be entitled to an equitable adjustment as provided for in the "Changes" clause of this contract.

* The 116 workweeks of Technical Field Support are estimated as follows:

<u>RANGE</u>	<u>M/WKS</u>
30SW	2
AAC	3
AFTAC	4
AFWTF	3
DLR	2
DOE	8
FAA	1
KOREA	3
MOD	10
NASA/W	1
NASA/D	4
NAWC-AD	4
NAWC-WD	5
PMRF	2
TAIWAN	4
UK	6
USAKA	0
UTTR	5
WSMR	43
YPG	6

APPENDIX D
LOGISTICS AND FIELD SUPPORT

1 OCT 02 – 30 SEP 03

Following are items to be supported:

- | | |
|----------------------------|------------------------------------------|
| 1. ROUTINE REQUISITIONS: | 658 (Approximately 20% are Fabrications) |
| 2. EMERGENCY REQUISITIONS: | 124 |
| 3. COMPONENT REPAIRS: | 839 |
| 4. ENGINEERING SUPPORT: | 100 |

NOTE: The quantities of the items to be supported above represents the government's estimate of actual work requirements. In the event the stated quantity of any of the above listed items is exceeded, the contractor shall be entitled to an equitable adjustment as provided for in the "Changes" clause of this contract.

* The 100 workweeks of Technical Field Support are estimated as follows:

<u>RANGE</u>	<u>M/WKS</u>
30SW	2
AAC	3
AFTAC	4
AFWTF	2
DLR	2
DOE	10
FAA	1
NASA/W	1
NASA/D	4
NAWC-AD	4
NAWC-WD	5
UK	6
USAKA	2
UTTR	5
WSMR	43
YPG	6

APPENDIX D
LOGISTICS AND FIELD SUPPORT

1 OCT 03 – 30 SEP 04

Following are items to be supported:

- | | |
|----------------------------|------------------------------------------|
| 1. ROUTINE REQUISITIONS: | 645 (Approximately 20% are Fabrications) |
| 2. EMERGENCY REQUISITIONS: | 118 |
| 3. COMPONENT REPAIRS: | 832 |
| 4. ENGINEERING SUPPORT: | 94 |

NOTE: The quantities of the items to be supported above represents the government's estimate of actual work requirements. In the event the stated quantity of any of the above listed items is exceeded, the contractor shall be entitled to an equitable adjustment as provided for in the "Changes" clause of this contract.

* The 94 workweeks of Technical Field Support are estimated as follows:

<u>RANGE</u>	<u>M/WKS</u>
30SW	2
AAC	3
AFWTF	2
DOE	10
FAA	1
NASA/W	1
NASA/D	4
NAWC-AD	4
NAWC-WD	5
UK	6
UTTR	5
WSMR	43
YPG	8

APPENDIX D
LOGISTICS AND FIELD SUPPORT

1 OCT 04 – 30 SEP 05

Following are items to be supported:

- | | |
|----------------------------|------------------------------------------|
| 1. ROUTINE REQUISITIONS: | 640 (Approximately 20% are Fabrications) |
| 2. EMERGENCY REQUISITIONS: | 118 |
| 3. COMPONENT REPAIRS: | 619 |
| 4. ENGINEERING SUPPORT: | 94 |

NOTE: The quantities of the items to be supported above represents the government's estimate of actual work requirements. In the event the stated quantity of any of the above listed items is exceeded, the contractor shall be entitled to an equitable adjustment as provided for in the "Changes" clause of this contract.

* The 94 workweeks of Technical Field Support are estimated as follows:

<u>RANGE</u>	<u>M/WKS</u>
30SW	2
AAC	3
AFWTF	2
DLR	2
DOE	10
FAA	1
NASA/W	1
NASA/D	4
NAWC-AD	4
NAWC-WD	5
UK	6
USAKA	2
UTTR	5
WSMR	43
YPG	4

APPENDIX D
LOGISTICS AND FIELD SUPPORT

1 OCT 05 – 30 SEP 06

Following are items to be supported:

- | | |
|----------------------------|------------------------------------------|
| 1. ROUTINE REQUISITIONS: | 633 (Approximately 20% are Fabrications) |
| 2. EMERGENCY REQUISITIONS: | 116 |
| 3. COMPONENT REPAIRS: | 710 |
| 4. ENGINEERING SUPPORT: | 91 |

NOTE: The quantities of the items to be supported above represents the government's estimate of actual work requirements. In the event the stated quantity of any of the above listed items is exceeded, the contractor shall be entitled to an equitable adjustment as provided for in the "Changes" clause of this contract.

* The 91 workweeks of Technical Field Support are estimated as follows:

<u>RANGE</u>	<u>M/WKS</u>
30SW	2
AAC	3
AFWTF	1
DOE	10
FAA	1
NASA/W	1
NASA/D	4
NAWC-AD	4
NAWC-WD	5
UK	6
USAKA	2
UTTR	5
WSMR	43
YPG	4

APPENDIX D
LOGISTICS AND FIELD SUPPORT

1 OCT 06 – 30 SEP 07

Following are items to be supported:

- | | |
|----------------------------|------------------------------------------|
| 1. ROUTINE REQUISITIONS: | 635 (Approximately 20% are Fabrications) |
| 2. EMERGENCY REQUISITIONS: | 118 |
| 3. COMPONENT REPAIRS: | 674 |
| 4. ENGINEERING SUPPORT: | 91 |

NOTE: The quantities of the items to be supported above represents the government's estimate of actual work requirements. In the event the stated quantity of any of the above listed items is exceeded, the contractor shall be entitled to an equitable adjustment as provided for in the "Changes" clause of this contract.

* The 91 workweeks of Technical Field Support are estimated as follows:

<u>RANGE</u>	<u>M/WKS</u>
30SW	2
AAC	3
DOE	10
FAA	1
NASA/W	1
NASA/D	4
NAWC-AD	4
NAWC-WD	5
UK	6
USAKA	1
UTTR	5
WSMR	43
YPG	6